



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Comwell Robert W. Esmond Tracy-Gene G. Durkin Michaele A. Cimbala Michaele A. Cimbala Michael G. Lee Steven R. Ludwig John M. Covert Linda E. Alcom Robert C. Millonig Lawrence B. Bugaisky Donald J. Featherstone Michael V. Messinger Judith U. Kim Timothy J. Shea, Jr. Patrick E. Garrett Jeffrey T. Helvey Heidi L. Kraus Albert L. Ferro* Donald R. Banowit Peter A. Jackman Teresa U. Medler Jeffrey S. Weaver Kendrick P. Patterson Vincent L. Capuano Eldora Ellison Floyd Thomas C. Fiala Brian J. Del Buono Virgil Lee Beaston Theodore A. Wood Elizabeth J. Haanes Joseph S. Ostroff Frank R. Cottingham Christine M. Lhulier Rae Lynn Prengaman George S. Bardmesser Jason D. Eisenberg Michael D. Specht Andrea J. Kamage Tracy L. Muller LuAnne M. DeSantis Ann E. Summerfield Tiera S. Coston Aric W. Ledford* Helene C. Carlson Timothy A. Doyle* Jessica L. Parezo Gaby L. Longsworth*

Lori A. Gordon'
Nicole D. Dretar'
Ted J. Ebersole
Jyoti C. Iyer'
Laura A. Vogel
Registered Patent Agents «
Karen R. Markowicz
Nancy J. Leith
Matthew J. Dowd
Aaron L. Schwartz
Katrina Yujian Pei Quach
Bryan L. Skelton
Robert A. Schwartzman
Teresa A. Colella
Jeffrey S. Lundgren

S. Rutherford

Michelle K. Holoubek

Robert H. DeSelms Simon J. Elliott Julie A. Heider Mita Mukherjee Scott M. Woodhouse Michael G. Penn Christopher J. Walsh

Of Counse! Kenneth C. Bass III Evan R. Smith Marvin C. Guthrie

*Admitted only in Maryland * Admitted only in Virginia •Practice Limited to Federal Agencies

(202) 772-8810 INTERNET ADDRESS:

September 21, 2004

ESMITH@SKGF.COM

Art Unit 2819

WRITER'S DIRECT NUMBER:

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 10/767,774; Filed: January 30, 2004

For: System And Method For Shuffling Mapping Sequences

Inventor:

Kevin L. MILLER

Our Ref:

1875.3900000

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Original, executed Power of Attorney from Assignee;
- 2. Original, executed Statement under 37 C.F.R. § 3.73(b) with a copy of the Assignment attached; and
- 3. One return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Evan R. Smith

Attorney for Applicant Registration No. 35,683

ERS/sjc 313202_1.DOC

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

POWER OF ATTORNEY FROM ASSIGNEE



Broadcom Corporation, a corporation of California, having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-3616, is assignee of the entire right, title, and interest for the United States of America, (as defined in 35 U.S.C. §100), by reason of an Assignment to the Assignee executed on 9/9/04, of an invention known as System and Method For Shuffling Mapping Sequences (Attorney Docket No.1875.3900000), that is disclosed and claimed in a patent application of the same title by the inventor Kevin Lee Miller (said application filed on January 30, 2004 at the U.S. Patent and Trademark Office, having Application Number 10/767,774).

For the purpose of PAIR, the Customer Number is 26111.

The Assignee hereby appoint James D. Bennett, Registration No. 37,550, Jeffrey DeRoy Wheeler, Registration No. 39,066; Noel Benjamin Whitley, Registration No. 42,225; and Harry Shannon Tyson, Jr., Registration No. 42,193, of Broadcom Corporation, 16215 Alton Parkway, Irvine, CA 92618-3616, and the U.S. attorneys associated with CUSTOMER NUMBER 28393 to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987.. The Assignees hereby grant said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

Customer Number 26111
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934

U.S.A.

Direct phone calls to 202-371-2600.

FOR: Broadcom Corporation

SIGNATURE:

Manager Intellectual Present

TITLE: Manager, Intellectual Property Portfolio

DATE:

BY:

PTO/SB/96 (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
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MINEMAN	STATE	MENT UNDER 37 CFR 3	.73(b)	1875.3900000
Applicant/Patent Owner: Kevi	n Lee Miller			
Application No./Patent No.:	10/767,774	Filed/Issue Date:	January 30, 2004	
ntitled: System And Method	For Shuffling Map	ping Sequences		
Broadcom		, a <u>corporation</u>		
Name of Assignee)		(Type of Assignee, e.g., co	rporation, partnership, university, go	vernment agency, etc.)
tates that it is: . ⊠ the assignee of the entire	right, title, and inte	erest; or		
an assignee of less than The extent (by percentag identified above by virtue	e) of its ownership	e and interest. interest is ——————————————————————————————————	he patent application patent	
A. [x] An assignment from the is was recorded in the Pater a copy thereof is attached	nt and Trademark C	atent application/patent ident Office at Reel, F	ified above. The assignmen rame, or for whice	t :h
OR				
3. [] A chain of title from the in assignee as shown below		tent application/patent ident	ified above, to the current	
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[] Additional docume	ents in the chain of	title are listed on a supplement	ental sheet.	
[X] Copies of assignments or of [NOTE: A separate copy (in must be submitted to Assign recorded in the records of	.e., the original assignment Division in a	ignment document or a true accordance with 37 CFR Pai	copy of the original docume	nt) e
The undersigned (whose title is	supplied below) is	authorized to act on behalf	of the assignee.	7
July 16, 20	201	(Dee Henderson	<u>//</u>
O Daté			Typed or printed name	
(949) 926-5958			MACON	
Telephone numbe	er	Ma	Signature (Plant	110

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gethering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and value.

each of the undersigned inventor(s): Kevin Lee Miller, the undersigned inventors hereby sell and assign to Broadcom Corporation, a corporation formed under the laws of California (the Assignee) his/her/energ right/tite and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States of the United States Corporation, a corporation formed under the laws of California (the Assignee) nis/net/squares of including the right to sue for past infringement and to collect for all past, present and future damages. The United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as System And Method For Shuffling Mapping Sequences for which ORDATION

(b) for patent in the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the undersigned on the United States of America has (have) been executed by the United States of America has (have) been executed by the United States of America has (have) been executed by the United States of America has (have) been executed by the United States of America has (have) been executed by the United States of America has (have) been executed by

- January 23, 2004 (also known as United States Application No. 10/767,774, filed January 30, 2004), in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been light and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application (s) and any non-continuing (continuation, divisional, or continuation-in-part), reissue, reexamination (appropries pointing).

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and paper non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination of continuation application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assigner may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant James D. Bennett, Registration No. 37,550, Jeffrey DeRoy Wheeler, Registration No. 39,066; Noel Benjamin Whitley, Registration No. 42,225; and Harry Shannon Tyson, Jr., Registration No. 42,193, of Broadcom Corporation, 16215 Alton Parkway, Irvine, CA 92618-3616, and Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987.; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date of the later Signature of Inventor